



**Tufts Medical Center
Lemuel Shattuck Hospital**



Transitional Year Program

Educational goals and objectives by rotation:

Rotation name: Pediatric Surgery

Location: Tufts Medical Center

Program Director: Jeffrey Cooper, M.D.

Length of Rotation: 4 weeks

MEDICAL KNOWLEDGE

GOAL: The TY resident will achieve detailed knowledge of the evaluation and management of the pediatric surgical patient

- Demonstrate proficiency at conducting a history and physical examination on a child of any age
- Demonstrate knowledge in starting an IV and drawing blood on a child of any age
- Apply ATLS standards to a child of any age
- Describe drug and electricity doses for cardiac life support in children
- Describe how to handle the airway and breathing for a child who has had a cardio respiratory arrest
- Be adept at applying cardiac compression in a child of any age
- Describe the basic differences between pediatric and adult general surgery such as, closing and not closing dirty wounds, doing a colostomy, how to approach rectal bleeding, and what problems are seen in children? How trauma is approached in children? How are burns approached in children?
- Describe the preoperative, operative, and postoperative care of children with problems associated with appendicitis, pyloric stenosis, intussusceptions, hernia inguinal, hernia umbilical, phimosis, undescended testicle, NEC, congenital abdominal wall defect, TEF, intestinal atresia, malrotation, Hirschsprung's disease, imperforate anus, biliary atresia, Wilm's tumor, neuroblastoma, congenital diaphragmatic hernia, GER, vascular access

PATIENT CARE

GOAL: The TY resident will provide patient care that is compassionate, appropriate and effective for the treatment of the surgical patient.

- Perform effective subcuticular absorbable skin sutures in children
- Demonstrate competence in conducting an appendectomy, repair an inguinal hernia, perform a circumcision, repair an umbilical hernia, and perform a split thickness skin graft

INTERPERSONAL AND COMMUNICATION SKILLS

GOAL: The TY resident will demonstrate interpersonal and communication skills that result in effective information exchange and teaming with patients, their families, and professional associates.

- Display a friendly disposition that is conducive to successful interaction with team members and patients
- Communicate treatment plans with support staff and be able to listen and respond to patients and support staff questions in a positive manner
- Interact effectively with patients and family members from a diverse background
- Gather essential information from patients,; and accurately document patient encounters
- Interact with nurses, residents, attending surgeons and ancillary staff to achieve the health-related goals of the patient

PROFESSIONALISM

GOAL: The TY resident will demonstrate a commitment to carrying out professional responsibilities adherence to organizational and ethical principles, and demonstrate sensitivity to a diverse patient population.

- Relate as a team member with other residents and fellows from other departments
- Relate with all patients and support staff politely and with respect
- Respond to pages and consults in a timely manner
- Respond to criticism and correction with calm and attentive demeanor
- Demonstrate appropriate dress and decorum while on duty
- Handle all patient information confidentially and not discuss it in hallways or other public places
- Use and know the chain of command on the resident service
- Demonstrate kindness, empathy and maturity in the interrelationship with patients with routine surgical problems

PRACTICE-BASED LEARNING AND IMPROVEMENT

GOAL: The TY resident will investigate and evaluate his or her own patient care practices appraise and assimilate scientific evidence and improve patient care practices.

- Remain current on medical literature as it relates to surgical diseases and complications in children
- Be adept with online medical databases
- Teach medical students how to write surgical progress notes
- Demonstrate proficiency in applying resource management skills

SYSTEMS-BASED PRACTICE

GOAL: The TY resident will demonstrate an awareness of and responsiveness to the larger context and system of healthcare and be able to call on system resources to provide care that is of optimal value.

- Integrate closely with the total team of medical students, residents, and attending, caring for patients with surgical problems
- Utilize the expertise of other services and support personnel
- Demonstrate good patient advocacy skills
- Recognize and understand how different health insurance companies affect the treatment plan for Patients